

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

James Baumgardner *et al.*

Application No.: 10/071,434

Filed: 02/08/2002

Title: Quantative Pulmonary Imaging

Assistant Commissioner for Patents  
Washington, DC 20231



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**INFORMATION DISCLOSURE UNDER 37 CFR 1.97(b)**

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

No fee or certification is required in connection with this Information Disclosure, since it is being submitted prior to the last of 1) issuance of a first Office Action on the merits, or 2) expiration of the three-month period following filing of the above-identified application.

It is respectfully requested that the information be considered by the Examiner and that a copy of the attached Form PTO-1449 be returned indicating that such information has been considered.

In the event any fees are required in connection with this paper, please charge Deposit Account No. 50-0979. A copy of this document is enclosed.

Applicants' undersigned attorney may be reached by telephone at (215) 575-7034.  
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Respectfully submitted,

  
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Form PTO-1449			DOCKET NO. 22253-70649	APPN. NO. 10/071,484
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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if appropriate

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes/No/Abstract

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, etc.)

1	Altes, T.A., et al, "Hyperpolarized <sup>3</sup> He MR Lung Ventilation Imaging in Asthmatics: Preliminary Findings," <i>J. Mag. Res. Imag.</i> 13(3):378-384 (2001).
2	Black, R.D., et al, "In vivo He-3 MR Images of Guinea Pig Lungs," <i>Rad</i> 199(3):867-870 (1996).
3	de Lange, E.E., et al, "Lung Air Spaces: MR Imaging Evaluation With Hyperpolarized 3He Gas," <i>Rad</i> 210(3):851-857 (1999).
4	Gierada, D.S., et al, "Dynamic Echo Planar MR Imaging of Lung Ventilation With Hyperpolarized (3)He in Normal Subjects and Patients With Severe Emphysema," <i>NMR Biomed.</i> 13(4):176-181 (2000).
5	Kauczor, H.U., et al, "Imaging of the Lungs Using 3He MRI: Preliminary Clinical Experience in 18 Patients With and Without Lung Disease," <i>J. Mag. Res. Imag.</i> 7:538-543 (1997).
6	Kauczor, H.U., et al, "Normal and Abnormal Pulmonary Ventilation: Visualization at Hyperpolarized He-3 MR Imaging," <i>Rad</i> 201:564-568 (1996).
7	MacFall, J.R., et al, "Human Lung Air Spaces: Potential For MR Imaging With Hyperpolarized He-3," <i>Rad</i> 200:553-558 (1996).
8	Middleton, H., et al, "MR Imaging With Hyperpolarized <sup>3</sup> He Gas," <i>Mag. Res. Med.</i> 33:271-275 (1995).
9	Roberts, D.A., et al, "Detection and Localization of Pulmonary Air Leaks Using Laser-Polarized Helium-3 MRI," <i>Mag. Res. Med.</i> 44(3):379-382 (2000).
10	Salerno, M., et al, "Dynamic Spiral MRI of Pulmonary Gas Flow Using Hyperpolarized <sup>3</sup> He: Preliminary Studies in Healthy and Diseased Lungs," <i>Mag. Res. Med.</i> 46:667-677 (2001).

Examiner Signature:

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant(s).

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